ABSTRACT OF THE DESCLOSURE

This invention provides an optical receiver, a temperature dependence of which is compensated, and a method for manufacturing the optical receiver. The optical receiver according to the present invention comprises an avalanche photodiode (APD), a voltage source for supplying a bias voltage to the APD and a controller for feedback-controlling the bias voltage based on the monitored temperature of the APD. The input of the controller changes as the temperature of the APD varies, such that the bias voltage to the APD compensates the temperature dependence thereof. One aspect of the invention is that the reference input to the controller depends on the temperature, while another aspect of the invention is that the dividing ratio of the bias voltage changes as the temperature of the APD varies.